## SEQUENCE LISTING

<110> PARANHOS-BACCALA, Glaucia

LESENECHAL, Mylene

JOLIVET, Michel



D6

<120> TRYPANOSOMA CRUZI ANTIGEN, GENE ENCODING THEREFOR AND METHODS OF DETECTING AND TREATING CHAGAS DISEASE

<130> WPB 36400B

<140> US 09/138,735

<141> 1998-08-24

<150> US 08/480,917

<151> 1995-06-07

<150> FR 94/10132

<151> 1994-08-12

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<170> PatentIn version 3.0

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<213> Trypanosoma cruzi

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Met Lys Arg Arg His Val Leu Arg Val Val Lys Arg Ser Asn Leu Leu 50 55 60

Lys Gly Thr Val Arg Ala His Ser Lys Pro Ile His Ala Val Lys Phe
65 70 75 80

Val Asn Tyr Arg Ser Asn Val Ala Ala Ser Ala Gly Lys Gly Glu Phe
85 90 95

Phe Val Trp Val Val Thr Asp Glu Thr Asp Ala Ser Asn Gly Lys Pro

100 105 110

Asp Leu Ala Ala Arg Leu Thr Val Lys Val Tyr Phe Lys Leu Gln Asp

Pro Val Thr Ile Pro Cys Phe Ser Phe Phe Ile Asn Ala Glu Ser Gln
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Arg Pro Asp Leu Leu Val Leu Tyr Glu Thr Gln Ala Ala Ile Leu Asp
145 150 155 160

Ser Ser Ser Leu Ile Glu Arg Phe Asp Val Glu Ser Leu Glu Ala Thr
165 170 175

Leu Gln Arg Asn Cys Thr Thr Leu Arg Thr Leu Thr Gln Pro Val Ser

180 185 190

Glu Asn Ser Leu Cys Ser Val Gly Ser Gly Gly Trp Phe Thr Phe Thr

195 200 205

Thr Glu Pro Thr Met Val Ala Ala Cys Thr Leu Arg Asn Arg Ser Thr
210 215 220

Pro Ser Trp Ala Cys Cys Glu Gly Glu Pro Val Lys Ala Leu His Leu 225 230 235 240

Leu Asp Ala Thr Val Glu Glu Asn Val Ser Val Leu Val Ala Ala Ser

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Leu	Leu	Arg 275	Lys	Phe	Val	Ile	Asp 280	Gly	Ser	Ile	Val	Ala 285	Met	Glu	Ser
Ser	Arg 290	Glu	Thr	Phe	Ala	Val 295	Phe	Asp	Asp	Arg	Lys 300	Gln	Leu	Ala	Leu
Val 305	Asn	Met	His	Ser	Pro 310	His	Asn	Phe	Thr	Cys 315	Thr	His	Tyr	Met	Met 320
Pro	Cys	Gln	Val	Gln 325	Arg	Asn	Gly	Phe	Cys 330	Phe	Asn	Arg	Thr	Ala 335	Asp
Gly	Ser	Cys	Val 340	Leu	Ala	Asp	Met	Ser 345	Asn	Arg	Leu	Thr	Ile 350	Phe	His
Leu	Arg	Cys 355	Ser	Arg	Arg	Glu	Glu 360	Gln	Gln	Pro	Gly	Gln 365	Lys	Thr	Ser
Val	Val 370	Ala	Thr	Ala	Lys	Pro 375	Gly	Cys	Val	Ser	Ser 380	Gly	Thr	Asp	Ala
Ala 385	Ser	Ser	Ser	His	Thr 390	Asn	Thr	Thr	Ser	Ala 395	Ala	Ala	Ala	Ser	Pro 400

Ala	Ser	Pro	Pro	Val	Ser	Ala	Pro	Ala	Lys	Ala	Ala	Ala	Pro	Pro	Ala
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420 425 430

Leu Val Asn Gln Leu Gly Ile Asn Val Thr Gln Arg Ser Val Val Ser
435 440 445

Thr Gly Ala Pro Ala Thr Thr Arg Ser Thr Ala Val Thr Ser Thr Thr 450 455 460

Thr Ala Pro Gln Arg Thr Ser Pro Tyr Gly His Asn Gly Arg Pro Val
465 470 475 480

Thr Ala Gly Leu Val Ala Ala Asn Ser Gly Ala Ser Ala Ala Ser Ser
485 490 495

Pro Thr Ala Ala Lys Pro Thr Gly Glu Glu Lys Ala Ser Ala Ala
500 505 510

Cys Glu Thr Ser Ser Val Ala Ile Asn Ala Thr Arg Pro Ala Leu His
515 520 525

Asn Ala Ser Leu Pro Gln Ala Pro Thr Asp Gly Val Leu Ala Ala Ala 530 540

Val Tyr Gln Ser Glu Gly Glu Val His Gln Ser Leu Glu Arg Leu Glu
545 550 555 560

Ser	Val	Ile	Thr	Asn	Thr	Ser	Arg	Val	Leu	Lys	Leu	Leu	Pro	Asp	Thr
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Ile Arg Arg Asp His Glu Gln Leu Leu Asn Leu Gly Leu Glu Ala Gln
580 585 590

Met Thr Glu Leu Gln Gln Ser Arg Pro Thr Pro Gln Thr Gln Pro Arg
595 600 605

Asp Thr Ser Ser Ala Lys Ser Ser Val Phe Glu Thr Tyr Thr Leu Val 610 620

Leu Ile Ala Asp Ser Leu Ser Arg Asn Ile Thr Lys Gly Val Lys Arg 625 630 635 640

Gly Val Asn Glu Ala Ile Met Leu His Leu Asp His Glu Val Arg His
645 650 655

Ala Ile Gly Asn Arg Leu Arg Gln Thr Gln Lys Asn Ile Ile Lys Ser
660 665 670

Arg Leu Asp Glu Ala Leu Lys Glu Ser Thr Thr Gln Phe Thr Ala Gln
675 680 685

Leu Thr Gln Thr Val Glu Asn Leu Val Lys Arg Glu Leu Ala Glu Val
690 695 700

Leu Gly Ser Ile Asn Gly Ser Leu Thr Ser Leu Val Lys Glu Asn Ala
705 710 715 720

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Ala Lys Arg Lys Ala Thr Met Pro Asp Ser Ser Leu His Ala Thr Ser
755 760 765

Ser Phe Gln Gly Arg Arg Ser Ala Pro Glu Thr Ile Leu Ala Thr Ala 770 775 780

Leu Ser Met Val Arg Glu Gln Gln Tyr Arg Gln Gly Leu Glu Val Met
785 790 795 800

Leu Met Ala Gln Gln Pro Ser Leu Leu Leu Arg Phe Leu Ser Ile Leu 805 810 815

Thr Arg Glu Asn Glu Asn Ala Tyr Ser Glu Leu Ile Glu Asn Val Glu
820 825 830

Thr Pro Asn Asp Val Trp Cys Ser Val Leu Leu Gln Leu Ile Glu Ala 835 840 845

Ala Ala Thr Glu Ala Glu Lys Glu Val Val Val Gly Val Ala Ile Asp
850 855 860

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Lys Leu Thr Thr Ala Met Arg Ala Phe Glu Arg Gln Ala Arg Ser Glu
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